

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 2 AND MD 253 IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

THE PROJECT IS NECESSITATED BY WIDENING ON THE SOUTH SIDE OF MD 253 TO PROVIDE A THROUGH/LEFT - RIGHT - RIGHT LANE CONFIGURATION. SIGNALIZATION WORK WILL CONSIST OF THE INSTALLATION OF NEW DETECTION, LANE CONTROL SIGNING AND PAVEMENT MARKINGS.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

INSTALL A FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER INTO THE EXISTING BASE MOUNTED CABINET

SPECIAL NOTES

1) NO EQUIPMENT WILL BE SUPPLIED BY THE SHA ON THIS PROJECT

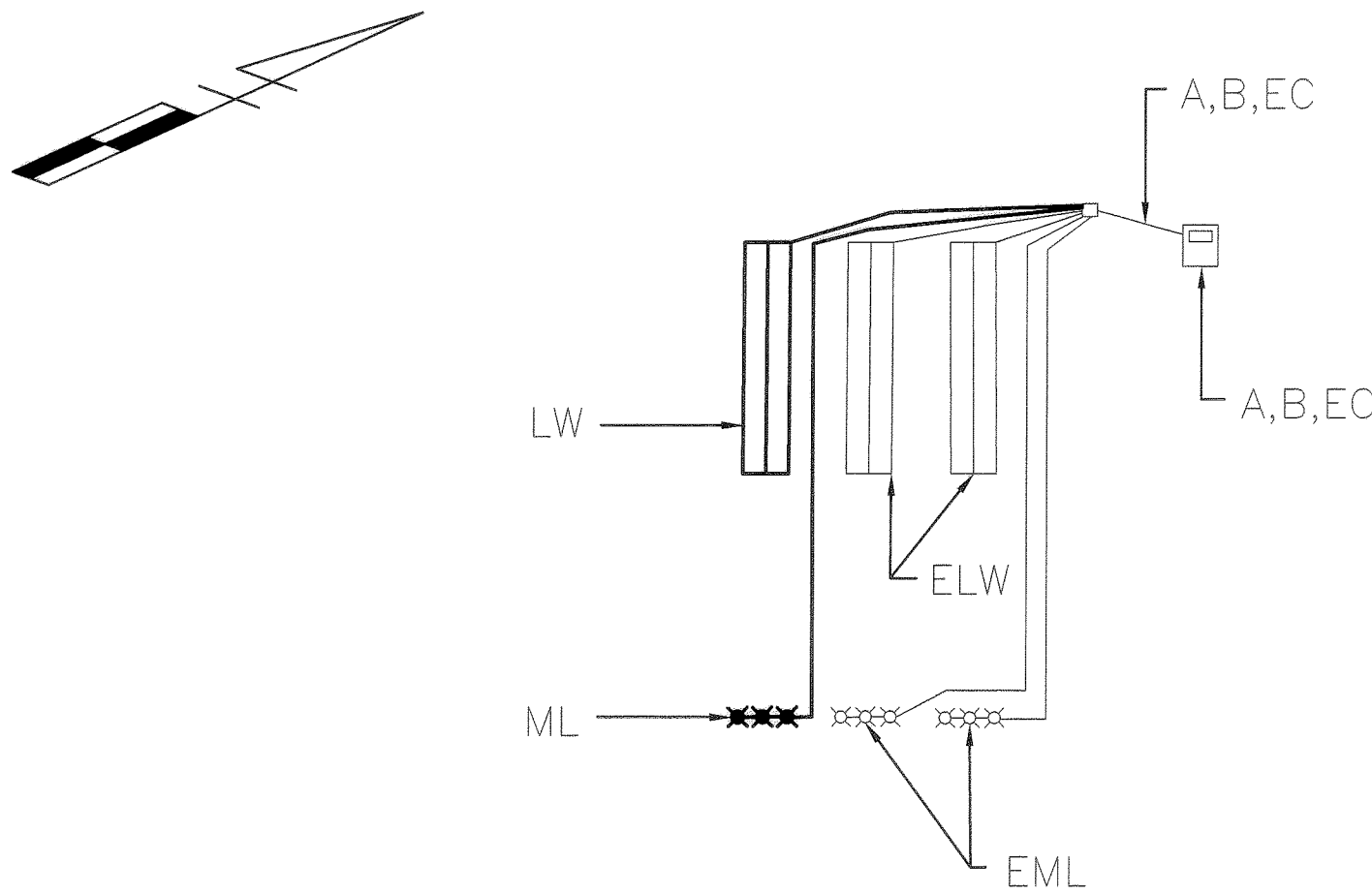
EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5009	30 L.F.	12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE
5010	45 L.F.	24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE
8016	1 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8021	300 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	15 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT - DETECTOR SLEEVE
8040	520 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	20 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G.)
---	1 EACH	FURNISH AND INSTALL DETECTOR AMPLIFIER, 4-CHANNEL RACK MOUNT
---	24 S.F.	FURNISH AND INSTALL SHEET ALUMINUM SIGNS TO CONSIST OF THE FOLLOWING: - 2 EACH R3-5(R) SIGN (30 IN. X 36 IN.) - MAST ARM MOUNT - 1 EACH R3-6 SIGN (30 IN. X 36 IN.) - MAST ARM MOUNT

NOTE: ITEM NUMBERS CORRESPOND TO MSHA AREAWIDE CONTRACT

WIRING DIAGRAM



WIRING KEY

- A } 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED) NO. 14 A.W.G.
- B } MICRO-LOOP PROBE LEAD-IN
- LW } LOOP WIRE (NO. 14 A.W.G.)
- ML } MICRO-LOOP PROBE
- ELW } EXISTING LOOP WIRE
- EML } EXISTING MICRO-LOOP PROBE

NOTE:  
UNLESS OTHERWISE NOTED, ALL  
EXISTING WIRING WILL BE USED

PHASE CHART

INTERSECTION PHASING WILL REMAIN THE SAME

F H W A	STATE	FED AID	SHEET	TOTAL
REGION NO.		PROJ. NO.	NO.	SHEETS
3	MD			

**TRAFFIC CONCEPTS, INC.**

Brightview Business Center  
8258 Veterans Highway  
Suite 19B  
Millersville, MD 21108  
(410) 987-0427

REVISIONS	APPROVALS
	ASSISTANT DIVISION CHIEF
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENG. DESIGN DIV.
	DIR., OFFICE OF TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
MD 2 AND MD 253

DATE: 4-9-98	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
SCALE: NONE	DESIGNED BY: T. ZAYDEL	S.H.A. NO.	TS-694F GI	
APPROVED BY: [Signature] 4/99	CHECKED BY: K. SCHMID	COUNTY: ANNE ARUNDEL		2 OF 2